

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	:		:
David Small et al.	:		:
Serial No.	:	TBA	: Art Unit : TBA
Filed	:	Herewith	: Examiner : TBA
For	:	Diagnostic Test for	:
	:	Alzheimer's Disease	:
	:		:

Mail Stop Patent Application
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**INFORMATION DISCLOSURE STATEMENT
under 37 CFR 1.97(c)**

Sir:

In accordance with 37 C.F.R. 1.97-1.99, applicants respectfully submit herewith for the record in the above-identified patent application a form PTO-1449 listing the citations of record in U. S. Patent Application Serial No. 09/829,446 filed April 9, 2001, the parent application of the above-identified patent application. All citations listed thereon are available in the file of the parent application, hence copies are not being supplied herewith.

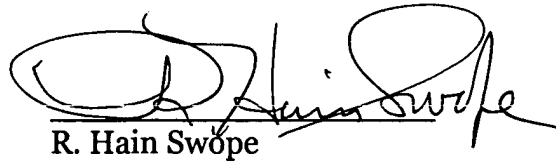
The listing of the citations on the form PTO-1449 submitted herewith does not constitute an admission that they are relevant or material to the claims submitted for examination in the above-identified patent application. It is respectfully submitted that the Claims submitted for examination define patentable subject matter over the citations listed therein.

Should any fee be required in connection with this submission, please charge such fee to Deposit Account No. 03-3839.

Serial No. TBA
Art Unit: TBA

Respectfully submitted.

Date: August 25, 2003

A handwritten signature in black ink, appearing to read "R. Hain Swope". The signature is fluid and cursive, with a large loop at the end.

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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 104664-50037	Serial No. TBA
<u>INFORMATION DISCLOSURE CITATION</u> (Use several sheets if necessary)		Applicant: Small et al.	
		Filing Date: Herewith	Art Unit: Unassigned

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-class	Filing Date If Appropriate
	5 2 0 0 3 2 4	04-06-1993	Navaratnam et al.			

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Office	Foreign Patent Document Document Number	Date of Publication of Cited Document	Name of Patentee or Applicant of Cited Document.	Class	Sub-class	Translation
	WO	9 9 1 5 6 9 5	04-01-99	Small et al.			Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

AA	Tornel, P., et al., "Ricinus communis agglutinin I reacting and non-reacting butyrylcholinesterase in human cerebrospinal fluid," <i>Neuroscience Letters</i> , 145:59-62, 1992.
AB	Kalaria, R.N., et al., "Acetylcholinesterase and Its Association With Heparan Sulphate Proteoglycans In Cortical Amyloid Deposits Of Alzheimer's Disease," <i>Neuroscience</i> , 51(1):177-184, 1992.
AC	Saez-Valero, J., et al., "Molecular Isoform Distribution and Glycosylation of Acetylcholinesterase Are Altered in Brain and Cerebrospinal Fluid of Patients with Alzheimer's Disease," <i>Journal of Neurochemistry</i> , 72:1600-1608, 1999.
AD	Saez-Valero, J., et al., "Altered Glycosylation of Cerebrospinal Fluid Butyrylcholinesterase in Alzheimer's Disease," <i>Brain Research</i> , 889:247-250, 2001.
AE	Arendt, T., et al., "Decreased Ratio of CSF Acetylcholinesterase to Butyrylcholinesterase Activity in Alzheimer's Disease," <i>The Lancet</i> , 173, January 21, 1984.
AF	Evin, G., et al., "Alzheimer's disease amyloid precursor protein (A β PP): proteolytic processing, secretases and A β 4 amyloid production," <i>Amyloid: Int. J. Exp. Clin. Invest.</i> , 1:263-280, 1994.
AG	Whitehouse, P., et al., "Alzheimer Disease: Evidence for Selective Loss of Cholinergic Neurons in the Nucleus Basalis," <i>Annals of Neurology</i> , 10(2):122-126, (1981).
AH	Mesulam, M., et al., "Acetylcholinesterase-rich Pyramidal Neurons in the Human Neocortex and Hippocampus: Absence at Birth, Development During the Life Span, and Dissolution in Alzheimer's Disease," <i>Annals of Neurology</i> , 24(6):765-773, (December 1988).
AI	Perry, E.K., et al., "Correlation of cholinergic abnormalities with senile plaques and mental test scores in senile dementia," <i>British Medical Journal</i> , (November 25, 1978).
AJ	Wilcock, G.K., et al., "Correlation of Cortical Choline Acetyltransferase Activity with the Severity of Dementia and Histological Abnormalities," <i>Journal of the Neurological Sciences</i> , 57:407-417, (1982).
AK	Neary, D., et al., "Alzheimer's disease: a correlative study," <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> , 49:229-237, (1986).
AL	Perry, E.K., "The Cholinergic Hypothesis - Ten Years On," <i>British Medical Bulletin</i> , 42(1):63-69, (1986).
AM	Motter, R., et al., "Reduction of A β -Amyloid Peptide ₄₂ in the Cerebrospinal Fluid of Patients with Alzheimer's Disease," <i>Annals of Neurology</i> , 38(4):643-648, (October 1995).
AN	Perry, R., et al., "Plasma and Erythrocyte Acetylcholinesterase in Senile Dementia of Alzheimer Type," <i>The Lancet</i> , (January 16, 1982).

	AO	Atack, J.R., et al., "Blood Acetyl- and Butyrylcholinesterases in Senile Dementia of Alzheimer Type," <i>Journal of Neurological Sciences</i> , 70:1-12, (1985).
	AP	Nakano, S., et al., "Acetylcholinesterase Activity in Cerebrospinal Fluid of Patients with Alzheimer's Disease and Senile Dementia," <i>Journal of Neurological Sciences</i> , 75:213-223, (1986).
	AQ	Yamamoto, Y., et al., "Plasma and serum G4 isoenzyme of acetylcholinesterase in patients with Alzheimer-type dementia and vascular dementia," <i>Ann Clin Biochem</i> , 27:321-326 (1990).
	AR	Sirvio, J., et al., "Cholinesterases in the cerebrospinal fluid, plasma, and erythrocytes of patients with Alzheimer's disease," <i>J. Neural Transm</i> , 75:119-127, (1989).
	AS	Chipperfield, B., et al., "Decreased Erythrocyte Cholinesterase Activity in Dementia," <i>The Lancet</i> , p. 199, (July 25, 1981).
	AT	Haycox, J.A., et al., "Investigation of Suspect Dementia," <i>The Lancet</i> , p. 199, (July 25, 1981).
	AU	Appleyard, M., et al., "Acetylcholinesterase and butyrylcholinesterase activities in cerebrospinal fluid from different levels of the neuraxis of patients with dementia of the Alzheimer type," <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> , 55:1074-1078, (1992).
	AV	Appleyard, M., et al., "Cholinesterase Activities In Cerebrospinal Fluid of Patients with Senile Dementia of Alzheimer's Disease," <i>Brain</i> , 110:1309-1322, (1987).
	AW	Ruberg, M., et al., "Acetylcholinesterase and butyrylcholinesterase activity in the cerebrospinal fluid of patients with neurodegenerative diseases involving cholinergic systems," <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> , 50:538-543, (1987).
	AX	Atack, J.R., et al., "Molecular Forms of Acetylcholinesterase In Senile Dementia Of Alzheimer Type: Selective Loss Of The Intermediate (10S) Form," <i>Neuroscience Letters</i> , 40:199-204, (1983).
	AY	Fishman, E., et al., "Distribution of the Molecular Forms of Acetylcholinesterase in Human Brain: Alterations in Dementia of the Alzheimer Type," <i>Annals of Neurology</i> , 19(3):246-252, (March 1986).
	AZ	Younkin, S.G., et al., "Molecular Forms of Acetylcholinesterases in Alzheimer's Disease," <i>Federation Proceedings</i> , 45(13):2982-2988, (December 1966).
	BA	Navaratnam, D.S., et al., "Anomalous molecular form of acetylcholinesterase in cerebrospinal fluid in histologically diagnosed Alzheimer's disease," <i>The Lancet</i> , 337:447-450 (February 23, 1991).
	BB	Smith, A.D., et al., "Anomalous acetylcholinesterase in lumbar CSF in Alzheimer's disease," <i>The Lancet</i> , 338:1538, (December 14, 1991).
	BC	Shen, Z., et al., "Anomalous acetylcholinesterase in CSF without clinical diagnosis of Alzheimer's disease," <i>The Lancet</i> , 342:62, (July 3, 1993).
	BD	Whitehouse, P., et al., "Alzheimer's Disease and Senile Dementia: Loss of Neurons in the Basal Forebrain," <i>Science</i> , 215:1237-1239, (March 1982).
	BE	Struble, R., et al., "Cholinergic Innervation in Neuritic Plaques," <i>Science</i> , 216:413-415, (April 1982).

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.